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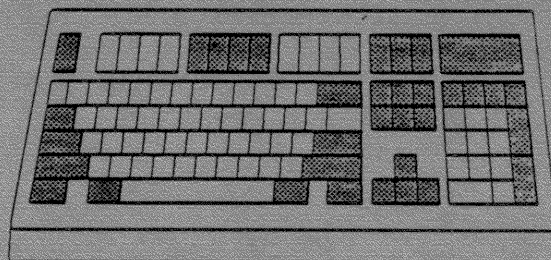
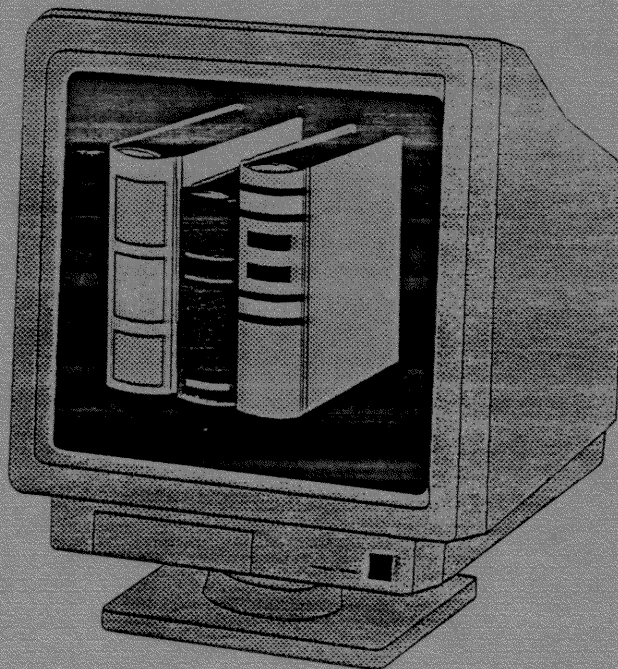


Forest Service

Forest Pest  
Management

Davis, CA

# BIBLIOGRAPHY OF PESTICIDE APPLICATION TECHNOLOGY



FPM 91-9 (REVISED)  
September 1993

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The views, opinions, and/or findings in this report are those of the authors and should not be construed as an official U.S. Department of Agriculture position, unless so designated by other official documentation. The use of trade names in this report does not constitute an official endorsement or approval of the use of such commercial hardware or software. This report may not be cited for purposes of advertisement.

Pesticides used improperly can be injurious to human beings, animals, and plants. Follow the directions and heed all precautions on labels. Store pesticides in original containers under lock and key—out of the reach of children and animals—and away from food and feed.

Apply pesticides so that they do not endanger humans, livestock, crops, beneficial insects, fish, and wildlife. Do not apply pesticides where there is danger of drift when honey bees or other pollinating insects are visiting plants, or in ways that may contaminate water or leave illegal residues.

Avoid prolonged inhalation of pesticide sprays or dusts; wear protective clothing and equipment, if specified on the label.

If your hands become contaminated with a pesticide, do not eat or drink until you have washed. In case a pesticide is swallowed or gets in the eyes, follow the first aid treatment given on the label, and get prompt medical attention. If a pesticide is spilled on your skin or clothing, remove clothing immediately and wash skin thoroughly.

**NOTE:** Some States have restrictions on the use of certain pesticides. Check your State and local regulations. Also, because registrations of pesticides are under constant review by the U.S. Environmental Protection Agency, consult your local forest pathologist, county agriculture agent, or State extension specialist to be sure the intended use is still registered.



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Bibliography of Pesticide  
Application Technology

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## TABLE OF CONTENTS

	<u>Page No.</u>
Preface	ii
Introduction	1
Abbreviations and Acronyms	2
FPM (Davis) and MAG (Davis) Numbered Reports	5
FPM (Davis) and MAG (Davis) Unnumbered Reports and Papers	19
MTDC Numbered Reports	23
MTDC Unnumbered Reports	30
Journal Publications by Forest Service Authors	32
ASAE Papers by Forest Service Authors	35
ASAE Papers by Non-Forest Service Authors	39
Magazine and Trade Journal Articles by Forest Service Authors	46
Papers and Abstracts by Forest Service Authors as Listed in Proceedings and Abstracts	48
FPM (Davis) and MTDC Contractor Reports and Papers	58
U.S. Army and U.S. Army Contractor Reports	64
Region and Station Reports	70

## PREFACE

This bibliography represents an initial survey and listing of 12 of the 14 total report categories contained in the USDA Forest Service, Washington Office, Forest Pest Management office at Davis, CA (WO/FPM (Davis)). Criteria for listing is the presence of the citation in the WO/FPM (Davis) library. This bibliography will be updated periodically.

The WO/FPM (Davis) office has been the focal point for dissemination of information on pesticide aerial application technology since 1976. In pursuit of its mission the office produced and sponsored reports, publications, presentations, and articles on application technology. The Davis office has a unique collection of reference material which is being inventoried, catalogued, and indexed into a national database. Much of this material does not exist in libraries and thus is not accessible or retrievable. In time such reference material can be lost within the process of personnel transfers and staff reorganizations.

In cooperation with Washington Office Information Systems and Technology Staff (FS INFO Central), the WO/FPM (Davis) office, subject to staffing and funding, plans to catalog this collection and enter it into a Forest Service database. To index materials in the database, we plan to follow national standards for bibliographic description, Anglo-American Cataloging Rules (AACR2) and we will use an authorized thesaurus, Commonwealth Agriculture Bureau (CAB) Thesaurus, for subject access. To perform these tasks, we will require staff training skills in cataloging and in subject heading assignments.

The 14 total report categories for the USDA Forest Service, WO/FPM (Davis) library cataloging project are listed in the table that follows on page iii: A listing of abbreviations and acronyms is provided on page 2.

Report Categories for USDA Forest Service,  
WO/FPM (Davis) Library Cataloging Project

- |  |   |
|--|---|
| 1. FPM (Davis) and MAG (Davis)<br>Numbered Reports   | Reports that have an FPM (Davis) or MAG (Davis) report number.  |
| 2. FPM (Davis) and MAG (Davis)<br>Unnumbered Reports and Papers                                | FPM (Davis) and MAG (Davis) reports and papers that were prepared by FPM (Davis) and MAG (Davis) but were not assigned a report number. |
| 3. MTDC Numbered Reports   | Reports that have an MTDC report number.  |
| 4. MTDC Unnumbered Reports   | MTDC reports that were prepared by MTDC but were not assigned an MTDC report number.  |
| 5. Journal Publications by<br>Forest Service Authors   | Publications in peer reviewed journals.   |
| 6. ASAE Papers by Forest Service<br>Authors  | Papers presented at national meetings of American Society of Agricultural Engineers.  |
| 7. ASAE Papers by Non-Forest<br>Service Authors  |   |
| 8. Magazine and Trade Journal<br>Articles by Forest Service<br>Authors                         | Publications in non-peer reviewed publications.   |
| 9. Papers and Abstracts by Forest<br>Service Authors as listed in<br>Proceedings and Abstracts | These may be peer or non-peer reviewed papers.  |

- |  |   |
|--|---|
| 10. FPM (Davis) and MTDC Contractor Reports and Papers | Contractor reports and paper                              |
| 11. U.S. Army and U.S. Army Contractor Reports         | Reports by U.S. Army cooperators and their contractors.   |
| 12. Region and Station Reports                         | USDA Forest Service reports.                              |
| 13. Canadian Reports                                   | Reports from any Canadian province, agency or university. |
| 14. Miscellaneous Reports, etc.                        | All reports that do not fall within the above categories. |

## INTRODUCTION

This bibliography is a preliminary listing of reports and other publications contained in the USDA Forest Service, Washington Office, Forest Pest Management (WO/FPM (Davis)) library located at Davis, CA. Additional bibliographies will be published as the cataloging project proceeds; therefore, please note the bibliography date or revision statement on the cover. Criteria for listing in this bibliography are as follows:

1. Reports, publications, and other papers on aerial and ground application of pesticides including pesticide application technology, and research, pilot, and operational control projects.
2. Reports, publications, and other papers that are physically present in the WO/FPM (Davis) library.
3. Reports, publications, and other papers that contain historic, scientific, and engineering information and data that we believe is or will be of value to persons pursuing research, development, and field operations in planning, conducting, and evaluation of pesticide-use research and/or operational projects.

The citation format and guidelines used in this bibliography are those of the American Society of Agricultural Engineers.

The bibliography is set up as follows:

- |        |  |
|--------|--|
| First  | Alphabetically by primary author.                                    |
| Second | By year - oldest first (i.e. 1969, then 1970, etc.).                 |
| Third  | By report number - oldest first (i.e. FPM 90-3, then FPM 90-4, etc.) |



## ABBREVIATIONS AND ACRONYMS

AGDISP	<u>Agricultural Dispersal</u> aerial spray model
AGLINE	<u>Agricultural Line</u> Source
ASAE	<u>American Society of Agricultural Engineers</u>
CDI	<u>Continuum Dynamics, Inc.</u>
DPG	U.S. Army <u>Dugway Proving Ground</u> , Utah
EMCOT	<u>Event Modeling for Complex Terrain</u>
FIDM	<u>Forest Insect and Disease Management</u> staff, now called FPM
FPM	USDA Forest Service, Washington Office staff, <u>Forest Pest Management</u>
FPM (Davis)	USDA Forest Service, Washington Office staff, <u>Forest Pest Management</u> located at <u>Davis</u> , CA
FSCBG	<u>Forest Service-Cramer-Barry-Grim</u> aerial spray model
MAG (Davis)	USDA Forest Service, Washington Office staff, Forest Pest Management, <u>Methods Application Group</u> formerly located at <u>Davis</u> , CA when MAG's mission included pesticide application technology
MEDC	USDA Forest Service, Washington Office, <u>Missoula Equipment Development Center</u> , or <u>Equipment Development Center</u> , Missoula, MT, new name MTDC.

MTDC

USDA Forest Service, Washington Office,  
Missoula Technology Development Center

WIND

Winds in Non-Uniform Domains, a cooperative  
field study conducted by U.S. Army and USDA  
Forest Service

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